

The Biotechnology Complex



President G. Wayne Clough
Georgia Tech Advisory Board, October 7, 2006



A little historical background

1987: Robert Nerem assumes the Parker H. Petit Chair in for Engineering in Medicine, establishes the Emory/Georgia Tech Biomedical Technology Research Center.



1992: Master's degree in biomedical engineering

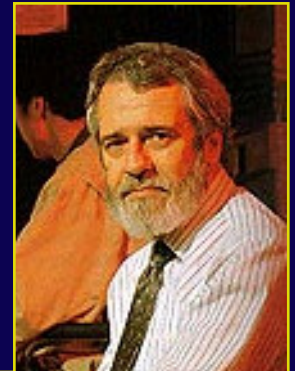


1993: Whitaker Foundation Biomedical Engineering Award



1994: Ph.D. program in biomedical engineering, additional faculty

Historical background, cont.



1996: Parker H. "Pete" Petit endows the Petit Institute for Bioengineering and Bioscience.



1997: Joint GT-Emory Biomedical Engineering Department, Don Giddens assumes Lawrence L. Gellerstedt Chair in Bioengineering.



1998: \$12.5 million NSF Center for the Engineering of Living Tissues.



1999: Opening of Petit Biotechnology Building.



Private gifts made complex possible

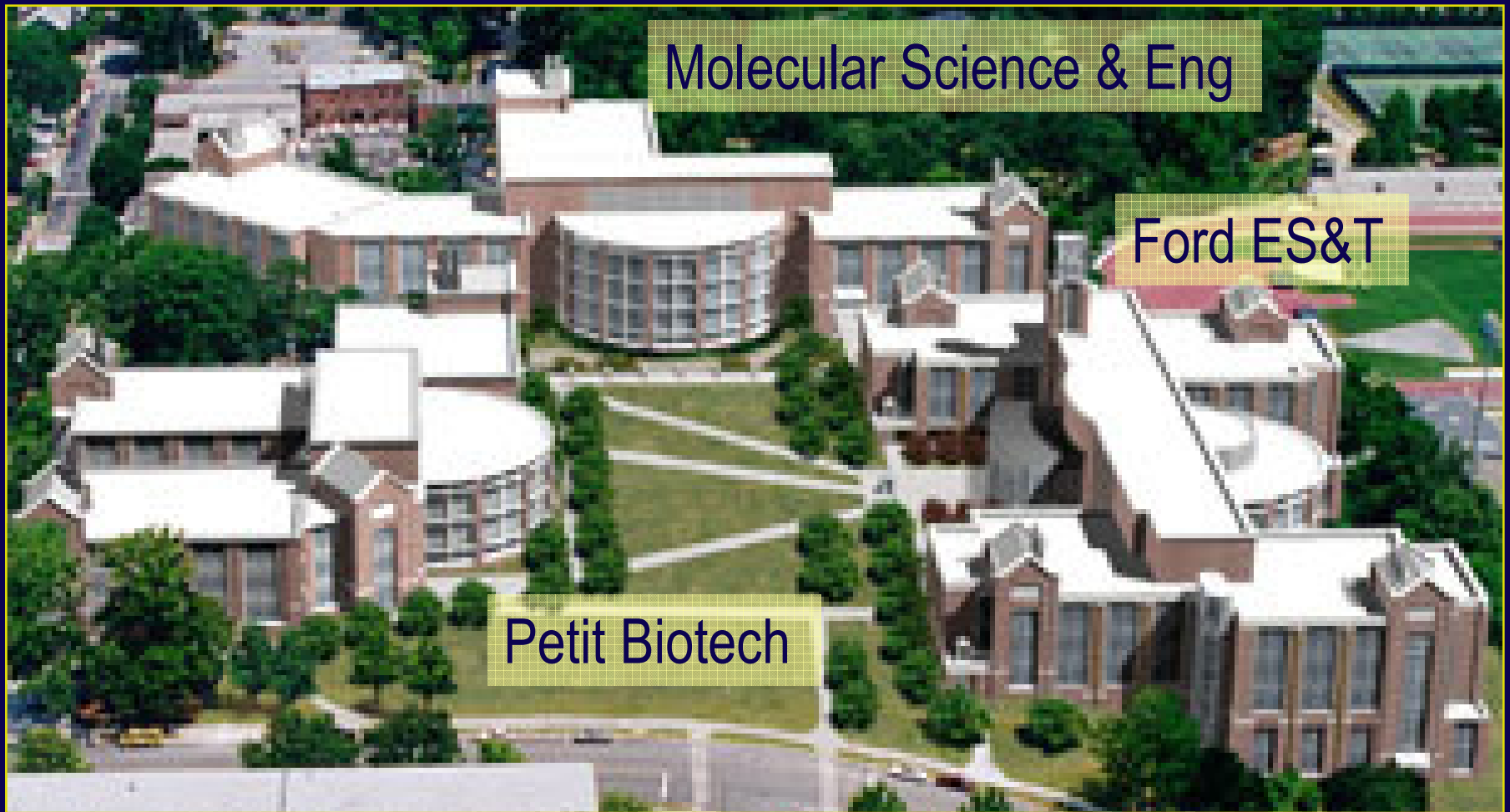
- State funds covered only part of the construction cost of one building: Ford ES&T
- Major donors:
 - ▷ Coulter Foundation
 - ▷ Whitaker Foundation
 - ▷ Woodruff Foundation
 - ▷ Anonymous foundation
 - ▷ Ford Motor Company
 - ▷ Alumnus Pete Petit



The Robert W. Woodruff Foundation

Biotechnology Complex

as initially envisioned in 1999



Petit Biotechnology Building was the first Tech facility in modern history to be built entirely with private funding.



Ford Environmental Science & Technology Building

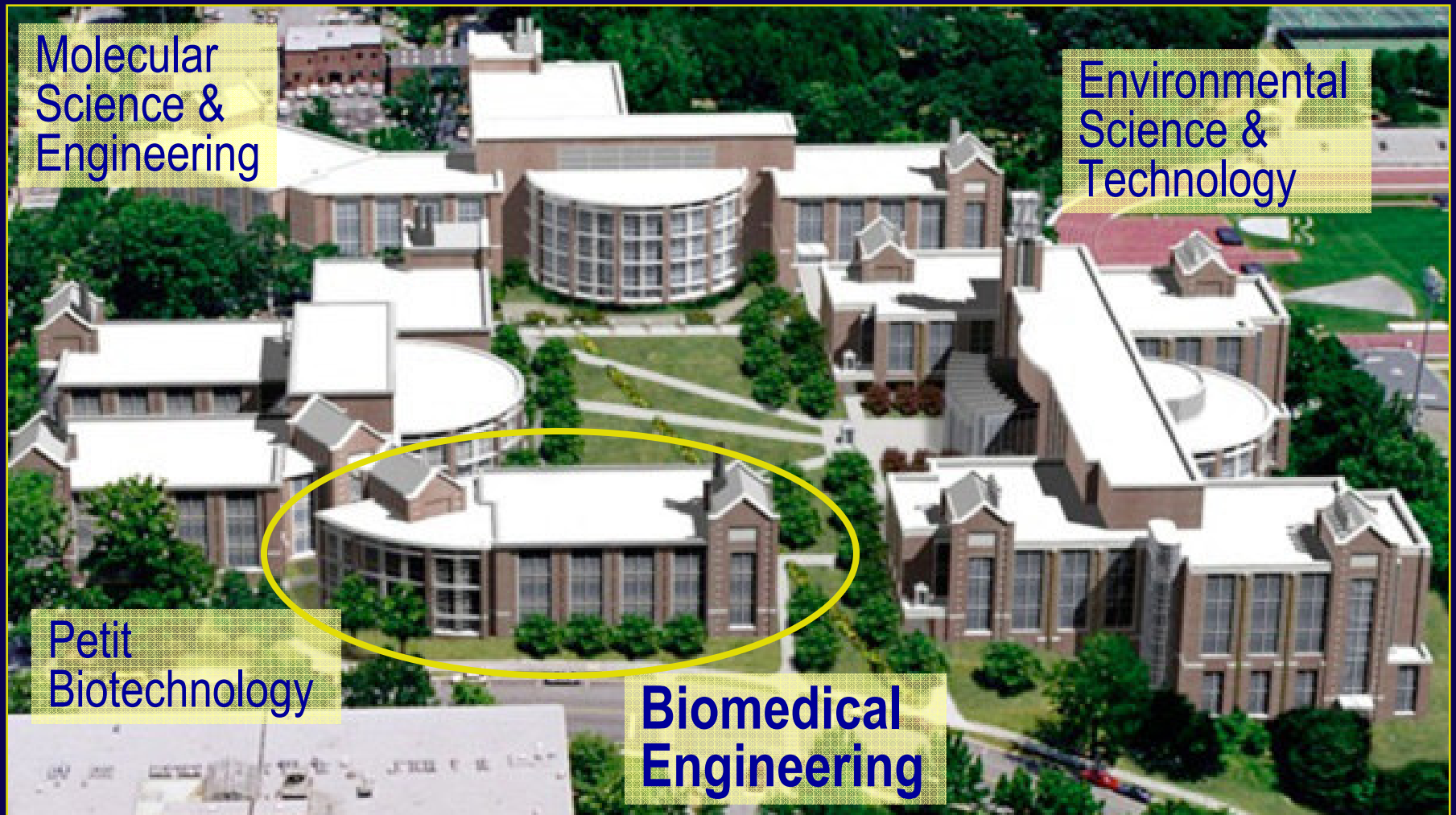


- Energy efficient materials and systems
- Rooftop draining system collects rainwater



Biotechnology Complex

as envisioned in 2000



Before Ford is finished, Whitaker begins



Ford ES&T



Whitaker
Biomedical
Engineering

Whitaker Biomedical Engineering Building



Biotechnology Complex

2004



Imagining the Molecular Science & Engineering Building



Construction underway



Molecular Science & Engineering



Completed fall of 2006

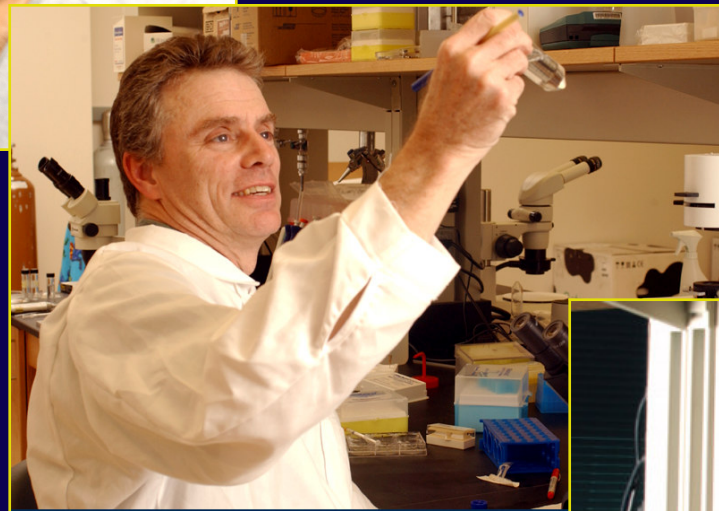


Special features of the complex



Whitaker: Problem-based learning

Ford: Wet-lab incubator



Petit: Research neighborhoods

